

ABSTRACT

Method for the removal of particulate matter from aqueous suspension comprising steps of

5 establishing value of pH and of Zeta potential of particles in the suspension;

providing a porous filter having a membrane layer consisting of at least a metal-oxide with a Zeta potential at the pH value of the suspension having same polarity of the Zeta

10 potential as the particles in the suspension;

passing the suspension through the porous filter; and

withdrawing a filtrate.

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